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1270 Aberdeen St
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C45-K-OH
Job Sheet OH196525

Part No: C45-K-OH

Job Qty: 1 ea

Part Name: C-Series Remote Hook 4,500 lbs Lift Capacity - Keeperless

Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 6/14/19

Job Tracking No:

Created By: Jennifer Renwick

Due Date: 6/28/19

Description: RA703 / Case 12788 / SN
S054259

Type: Rework - OH

Note: DWG C45-K-Rev 2 IPP Rev B 18.04.04 New issue DP Verify DD

Ship Via: 0 OPM - C45 REV 4

DAS
10
989

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard Setup Hrs	Run Hrs	Workcenter/Supplier	Sign-off
110	External Load - Issue SN	1 pcs	6/28/19	6/28/19	0.00	1.00	External Load - 1	
							External Load - 2	
							External Load - 3	
115	External Load - 2 - B4B	1 pcs	6/28/19	6/28/19	0.00	1.00	External Load - 1 - B4B	
							External Load - 2 - B4B	
							External Load - 3 - B4B	
120	QC 5	1 pcs	6/28/19	6/28/19	0.00	0.00	QC 5 - 10	
							QC 5 - 12	
							QC 5 - 17	
							QC 5 - 18	
							QC 5 - 19	
							QC 5 - 22	
							QC 5 - 24	
							QC 5 - 3	
							QC 5 - 43	
							QC 5 - 49	
							QC 5 - 51	
							QC 5 - 58	
							QC 5 - 68	
							QC 5 - 9	
							QC 5 - 50	
							QC 5 - 30	
							QC 5 - 40	
130	Customer Acceptance	1 pcs	6/28/19	6/28/19	0.00	0.00		
140	Outsource - 2 - NDT per QSI038	1 pcs	6/28/19	6/28/19			SKY002-VC	
150	Packaging 2-1 - Receive - B4B	1 pcs	6/28/19	6/28/19	0.00	0.00	Packaging 2 - 1 - B4B	
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	

S191567

AP 2019/06/20

JUN 20 2019

2019-06-21

JUN 26 2019

6/14/2019

[Dart Hawkesbury] Job Sheet - Renwick, Jennifer

				Packaging 2 - 15 - B4B	
				Packaging 2 - 16 - B4B	
				Packaging 2 - 17 - B4B	
				Packaging 2 - 18 - B4B	
				Packaging 2 - 19 - B4B	
				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
160 QC 6	1 pcs	6/28/19	0.00 0.00	QC 6 - 9	DAS
				QC 6 - 68	61
				QC 6 - 61	9-80
				QC 6 - 40	AP 2019/06/26
165 External Load - 3 - B4B	1 pcs	6/28/19	0.00 0.50	External Load - 1 - B4B	
				External Load - 2 - B4B	
				External Load - 3 - B4B	
170 QC 5	1 pcs	6/28/19	0.00 0.00	QC 5 - 10	
				QC 5 - 12	
				QC 5 - 17	
				QC 5 - 18	
				QC 5 - 19	
				QC 5 - 22	
				QC 5 - 24	
				QC 5 - 3	
				QC 5 - 43	
				QC 5 - 49	
				QC 5 - 51	
				QC 5 - 58	
				QC 5 - 68	
				QC 5 - 9	
				QC 5 - 50	
				QC 5 - 30	
				QC 5 - 40	
175 Outsource - 15 - Nickel Plate	1 pcs	6/28/19		GR0002-VC GR0002	2019-06-27 2019-07-02
180 Packaging 2-2 - Receive - B4B	1 pcs	6/28/19	0.00 0.00	Packaging 2 - 1 - B4B	
				Packaging 2 - 2 - B4B	
				Packaging 2 - 3 - B4B	
				Packaging 2 - 5 - B4B	
				Packaging 2 - 4 - B4B	
				Packaging 2 - 6 - B4B	
				Packaging 2 - 7 - B4B	
				Packaging 2 - 8 - B4B	
				Packaging 2 - 9 - B4B	
				Packaging 2 - 10 - B4B	
				Packaging 2 - 11 - B4B	
				Packaging 2 - 12 - B4B	
				Packaging 2 - 13 - B4B	
				Packaging 2 - 14 - B4B	
				Packaging 2 - 15 - B4B	
				Packaging 2 - 16 - B4B	
				Packaging 2 - 17 - B4B	
				Packaging 2 - 18 - B4B	
				Packaging 2 - 19 - B4B	
				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	

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[Dart Hawkesbury] Job Sheet - Renwick, Jennifer

						Packaging 2 - 23 - B4B	
						Packaging 2 - 24 - B4B	
						Packaging 2 - 25 - B4B	
						Packaging 2 - 26 - B4B	
						Packaging 2 - 27 - B4B	
						Packaging 2 - 28 - B4B	
						Packaging 2 - 29 - B4B	
						Packaging 2 - 30 - B4B	
						Packaging 2 - 31 - B4B	
						Packaging 2 - 32 - B4B	
						Packaging 2 - 33 - B4B	
						Packaging 2 - 34 - B4B	
						Packaging 2 - 35 - B4B	
						Packaging 2 - 36 - B4B	
						QC 6 - 9	
185 QC 6	1	6/28/19	0.00	0.00		QC 6 - 68	DAS
pcs						QC 6 - 61	61
						QC 6 - 40	9-89
190 External Load - 4 - B4B	1	6/28/19	0.00	1.33		External Load - 1 - B4B	AD 2019-07-25
pcs						External Load - 2 - B4B	Michael 2019-7-25
						External Load - 3 - B4B	
195 QC 5	1	6/28/19	0.00	0.00		QC 5 - 10	
pcs						QC 5 - 12	
						QC 5 - 17	
						QC 5 - 18	
						QC 5 - 19	
						QC 5 - 22	
						QC 5 - 24	
						QC 5 - 3	
						QC 5 - 43	
						QC 5 - 49	
						QC 5 - 51	
						QC 5 - 58	
						QC 5 - 68	
						QC 5 - 9	
						QC 5 - 50	
						QC 5 - 30	
						QC 5 - 40	
200 Packaging 3-1 - Stock - B4B	1	6/28/19	0.00	0.00		Packaging 3 - 1 - B4B	
pcs						Packaging 3 - 2 - B4B	
						Packaging 3 - 3 - B4B	
						Packaging 3 - 4 - B4B	
						Packaging 3 - 5 - B4B	
						Packaging 3 - 6 - B4B	
						Packaging 3 - 7 - B4B	
						Packaging 3 - 8 - B4B	
						Packaging 3 - 9 - B4B	
						Packaging 3 - 10 - B4B	
						Packaging 3 - 11 - B4B	
						Packaging 3 - 12 - B4B	
						Packaging 3 - 13 - B4B	
						Packaging 3 - 14 - B4B	
						Packaging 3 - 15 - B4B	
						Packaging 3 - 16 - B4B	
						Packaging 3 - 17 - B4B	
						Packaging 3 - 18 - B4B	
						Packaging 3 - 19 - B4B	
						Packaging 3 - 20 - B4B	
						Packaging 3 - 21 - B4B	
						Packaging 3 - 22 - B4B	
						Packaging 3 - 23 - B4B	
						Packaging 3 - 24 - B4B	
						Packaging 3 - 25 - B4B	
						Packaging 3 - 26 - B4B	
						Packaging 3 - 27 - B4B	
						Packaging 3 - 28 - B4B	
						Packaging 3 - 29 - B4B	
						Packaging 3 - 30 - B4B	
						Packaging 3 - 31 - B4B	
						Packaging 3 - 32 - B4B	

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[Dart Hawkesbury] Job Sheet - Renwick, Jennifer

				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
210 DC - 1 - B4B	1 pcs	6/28/19	0.00 0.00	DC - 1 - B4B	21 JUL 25 2019
				DC - 2 - B4B	9-88
220 QC21-FG	1 Ea	6/28/19	0.00 0.00	QC 21 - FG - 21	21 JUL 25 2019
Part Op 110 - Issue S/N Descriptions: 115 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART. 120 - (QC5- Inspect part completeness to step on W/O) 140 - LIQUID PENETRANT INSPECTION AS PER QSI 038 150 - (Receive & Inspect for Damage & Mat'l Certs) 160 - (QC6- All purchased or subcontracted products) 1-Triage parts to be sent out for plating 165 - Prepare for nickel plate 170 - (QC5- Inspect part completeness to step on W/O) 175 - Issue P/O; _____ -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004-.0006 -Bake after plating -Material type; 4140 -Certificate of Conformity is required 180 - (Receive & Inspect for Damage & Mat'l Certs) 185 - (QC6- All purchased or subcontracted products) 190 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY. 195 - (QC5- Inspect part completeness to step on W/O) 200 - (Identify as per dwg & Stock Location: _____) 210 - Photocopy blue file and create labels 220 - (QC21- Final Inspection - Work Order Release)					

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C45-K-AR	C-Series Remote Hook 4,500 lbs Lift Capacity - Keeperless	1 pcs (1 ea)	110-External Load - Issue SN	5190187
188-FSCS-1032-5/8	Flat socket cap Screw	4 Ea (4 ea)	190-External Load - 4 - B4B	
2595K22	Heat Shrink Tube	1 pcs (1 ea)	190-External Load - 4 - B4B	
32448	16-14 AWG Knife Connector	2 Ea (2 ea)	190-External Load - 4 - B4B	
600.1309	Label	1 pcs (1 ea)	190-External Load - 4 - B4B	
600.1312	Caution Sticker	1 pcs (1 ea)	190-External Load - 4 - B4B	
AN4-23A	Bolt	2 Ea (2 ea)	190-External Load - 4 - B4B	
AN5-21A	Bolt	4 Ea (4 ea)	190-External Load - 4 - B4B	
C10-41	Strain Relief Connector	1 Ea (1 ea)	190-External Load - 4 - B4B	
C2-14-2	Label Rivets	2 Ea (2 ea)	190-External Load - 4 - B4B	
C45-1-1	Manual Knob Release	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-10-1	Lock Spring Pin	1 Ea (1 ea)	190-External Load - 4 - B4B	
C45-10-2	Lock Spring	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-11-1	Sideplate, Solenoid Side	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-11-2	Locating Pin	2 Ea (2 ea)	190-External Load - 4 - B4B	
C45-12-1	Lock Bushing	2 pcs (2 ea)	190-External Load - 4 - B4B	
C45-12-2	Lock Shaft	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-12-3	Lock	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-12-4	Lock Roller	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-12-5	Lock Roller Pin	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-12-6	Retaining Ring	2 Ea (2 ea)	190-External Load - 4 - B4B	
C45-13-1	Keeper Bushing	2 pcs (2 ea)	190-External Load - 4 - B4B	
C45-13-3	Keeper Shaft	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-15	Keeperless Adapter	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-2-1	Sideplate - MRK	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-3-1	Radial Bearing	2 Ea (2 ea)	190-External Load - 4 - B4B	
C45-3-10	Latch Shaft	1 pcs (1 ea)	190-External Load - 4 - B4B	

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C45-3-11	Actuator	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-3-12	Latch Roller Bearing	1 Ea (1 ea) 190-External Load - 4 - B4B
C45-3-2	Latch Roller Pin	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-3-2-1	Snap Ring	2 Ea (2 ea) 190-External Load - 4 - B4B
C45-3-3	Latch Roller	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-3-4	Pin	2 pcs (2 ea) 190-External Load - 4 - B4B
C45-3-4-1	Retaining Ring	4 Ea (4 ea) 190-External Load - 4 - B4B
C45-3-5	Teflon Spacer	2 Ea (2 ea) 190-External Load - 4 - B4B
C45-3-6	Latch	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-3-7	Link	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-3-8A	Actuator Shaft Bushing	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-3-8B	Actuator Shaft Bushing	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-3-9	Lever Spring	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-4-1	Trunnion Bushing	2 pcs (2 ea) 190-External Load - 4 - B4B
C45-4-4KA	Load Beam Keeperless Assembly	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-4-5	Loadbeam Spacer	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-5-1	Lever Stop Pin	1 Ea (1 ea) 190-External Load - 4 - B4B
C45-5-2	Lever Stop	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-7-1	LOADBEAM BUMPER	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-7-2	Lock Bumper	2 pcs (2 ea) 190-External Load - 4 - B4B
C45-8-1-2	Solenoid Nut	2 pcs (2 ea) 190-External Load - 4 - B4B
C45-8-2	Solenoid	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-8-4	Solenoid Cover Gasket	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-8-5	Solenoid Cover	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-9-1	Clock Spring Cover	1 pcs (1 ea) 190-External Load - 4 - B4B
C45-9-2	Clock Spring	1 pcs (1 ea) 190-External Load - 4 - B4B
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea) 190-External Load - 4 - B4B
EL314-SJTOW	Long Line Electrical Wire, 14/3 Gauge replace w/t 01004-08-047	1 ft (1 ea) 190-External Load - 4 - B4B
MS21044N5	Nut	4 Ea (4 ea) 190-External Load - 4 - B4B
MS27039-4-08	Screw	1 Ea (1 ea) 190-External Load - 4 - B4B
NAS1149F0463P	Washer	3 Ea (3 ea) 190-External Load - 4 - B4B
NAS1149F0563P	Washer	8 Ea (8 ea) 190-External Load - 4 - B4B

Loctite 242 (M138933)

Loctite 520 (166705)

Aeroshell grease NO.7 (5138964)

Saf-T-eye (M128063)

OH196525

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				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
210 DC - 1 - B4B	1 pcs	6/28/19	0.00 0.00	DC - 1 - B4B	
				DC - 2 - B4B	
220 QC21-FG	1 Ea	6/28/19	0.00 0.00	QC 21 - FG - 21	

Part Op 110 - Issue S/N

Descriptions: 115 - TEST ASSEMBLY, DISASSEMBLE ASSEMBLY, INSPECT DAMAGE PART.

120 - (QC5- Inspect part completeness to step on W/O)

140 - LIQUID PENETRANT INSPECTION AS PER QSI 038

150 - (Receive & Inspect for Damage & Mat'l Certs)

160 - (QC6- All purchased or subcontracted products) 1-Triage parts to be sent out for plating

165 - Prepare for nickel plate

170 - (QC5- Inspect part completeness to step on W/O)

175 - Issue P/O: _____ -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004- .0006 -Bake after

plating -Material type; 4140 -Certificate of Conformity is required

180 - (Receive & Inspect for Damage & Mat'l Certs)

185 - (QC6- All purchased or subcontracted products)

190 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.

195 - (QC5- Inspect part completeness to step on W/O)

200 - (Identify as per dwg & Stock Location: _____)

210 - Photocopy blue file and create labels

220 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C45-K-AR	C-Series Remote Hook 4,500 lbs Lift Capacity - Keeperless	1 pcs (1 ea)	110-External Load - Issue SN	5190187
188-FSCS-1032-5/8	Flat socket cap Screw	4 Ea (4 ea)	190-External Load - 4 - B4B	5196435
2595K22	Heat Shrink Tube	1 pcs (1 ea)	190-External Load - 4 - B4B	5073041
32448	16-14 AWG Knife Connector	2 Ea (2 ea)	190-External Load - 4 - B4B	5041618
600.1309	Label	1 pcs (1 ea)	190-External Load - 4 - B4B	
600.1312	Caution Sticker	1 pcs (1 ea)	190-External Load - 4 - B4B	5098056
AN4-23A 24A	Bolt	2 Ea (2 ea)	190-External Load - 4 - B4B	5130326
AN5-21A	Bolt	4 Ea (4 ea)	190-External Load - 4 - B4B	5097081-1
C10-41	Strain Relief Connector	1 Ea (1 ea)	190-External Load - 4 - B4B	5083917
C2-14-2	Label Rivets	2 Ea (2 ea)	190-External Load - 4 - B4B	
C45-1-1	Manual Knob Release	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-10-1	Lock Spring Pin	1 Ea (1 ea)	190-External Load - 4 - B4B	5040658
C45-10-2	Lock Spring	1 pcs (1 ea)	190-External Load - 4 - B4B	5177837
C45-11-1	Sideplate, Solenoid Side	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-11-2	Locating Pin	1 Ea (2 ea)	190-External Load - 4 - B4B	5089115
C45-12-1	Lock Bushing	2 pcs (2 ea)	190-External Load - 4 - B4B	5179711
C45-12-2	Lock Shaft	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-12-3	Lock	1 pcs (1 ea)	190-External Load - 4 - B4B	5194471
C45-12-4	Lock Roller	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-12-5	Lock Roller Pin	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-12-6	Retaining Ring	2 Ea (2 ea)	190-External Load - 4 - B4B	5029303
C45-13-1	Keeper Bushing	2 pcs (2 ea)	190-External Load - 4 - B4B	5193422
C45-13-3	Keeper Shaft	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-15	Keeperless Adapter	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-2-1	Sideplate - MRK	1 pcs (1 ea)	190-External Load - 4 - B4B	
C45-3-1	Radial Bearing	2 Ea (2 ea)	190-External Load - 4 - B4B	5060134
C45-3-10	Latch Shaft	1 pcs (1 ea)	190-External Load - 4 -	

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C45-3-11	Actuator	1 pcs (1 ea) 190-External Load - 4 - B4B	
C45-3-12	Latch Roller Bearing	1 Ea (1 ea) 190-External Load - 4 - B4B	5091768
C45-3-2	Latch Roller Pin	1 pcs (1 ea) 190-External Load - 4 - B4B	
C45-3-2-1	Snap Ring	2 Ea (2 ea) 190-External Load - 4 - B4B	5097898
C45-3-3	Latch Roller	1 pcs (1 ea) 190-External Load - 4 - B4B	
C45-3-4	Pin	2 pcs (2 ea) 190-External Load - 4 - B4B	5133668
C45-3-4-1	Retaining Ring	4 Ea (4 ea) 190-External Load - 4 - B4B	5114803
C45-3-5	Teflon Spacer	2 Ea (2 ea) 190-External Load - 4 - B4B	5097745
C45-3-6	Latch	1 pcs (1 ea) 190-External Load - 4 - B4B	
C45-3-7	Link	1 pcs (1 ea) 190-External Load - 4 - B4B	5078570
C45-3-8A	Actuator Shaft Bushing	1 pcs (1 ea) 190-External Load - 4 - B4B	5163197
C45-3-8B	Actuator Shaft Bushing	1 pcs (1 ea) 190-External Load - 4 - B4B	5190299
C45-3-9	Lever Spring	2 pcs (2 ea) 190-External Load - 4 - B4B	5122724
C45-4-1	Trunnion Bushing	1 pcs (1 ea) 190-External Load - 4 - B4B	
C45-4-4KA	Load Beam Keeperless Assembly	1 pcs (1 ea) 190-External Load - 4 - B4B	
C45-4-5	Loadbeam Spacer	1 Ea (1 ea) 190-External Load - 4 - B4B	5089113
C45-5-1	Lever Stop Pin	1 pcs (1 ea) 190-External Load - 4 - B4B	
C45-5-2	Lever Stop	1 pcs (1 ea) 190-External Load - 4 - B4B	5177835
C45-7-1	LOADBEAM BUMPER	2 pcs (2 ea) 190-External Load - 4 - B4B	5179118
C45-7-2	Lock Bumper	2 pcs (2 ea) 190-External Load - 4 - B4B	
C45-8-1-2	Solenoid Nut	1 pcs (1 ea) 190-External Load - 4 - B4B	
C45-8-2	Solenoid	1 pcs (1 ea) 190-External Load - 4 - B4B	5171779
C45-8-4	Solenoid Cover Gasket	1 pcs (1 ea) 190-External Load - 4 - B4B	5175959
C45-8-5	Solenoid Cover	1 pcs (1 ea) 190-External Load - 4 - B4B	
C45-9-1	Clock Spring Cover	1 pcs (1 ea) 190-External Load - 4 - B4B	
C45-9-2	Clock Spring	1 Ea (1 ea) 190-External Load - 4 - B4B	
EL-PLUG-M	3-Prong Male Spade Plug	1 ft (1 ea) 190-External Load - 4 - B4B	5179682
EL314-SJTOW	Long Line Electrical Wire, 14/3 Gauge replace w/ 01004-	4 Ea (4 ea) 190-External Load - 4 - B4B	5192486
MS21044N5	Nut	1 Ea (1 ea) 190-External Load - 4 - B4B	5097087-1
MS27039-4-08	Screw	3 Ea (3 ea) 190-External Load - 4 - B4B	5097088-1
NAS1149F0463P	Washer	8 Ea (8 ea) 190-External Load - 4 - B4B	5184942
NAS1149F0563P	Washer		5157401

EL-PLUG-M 3 PRONG MALE SPADE PLUG ①
EL-PLUG-F 3 PRONG FEMALE " " ①
C45-15-5 1/2" NUT ②

32446

7856K75

MS21044-08

188-FPSS - 1/4-20-3/8 x 2

C45-15-9 (MS21665-33) COTTER PIN ①

C45-13-2

C45-13-3

connector
8" heat shrink tube
1/2" NUT
KLEINER SPRING ①

Plex 6/14/19 8:27 AM Dart.Renwick.Jennifer

5172429

5049075

5190246

5200381

5048557

5092509-1

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-External Load - Issue SN	C45-K	1	0	0
	188-FSCS-1032-5/8	4	115	0
190-External Load - 4 - B4B	2595K22	1	30	0
	32448	2	171	0
	600.1309	1	0	0
	600.1312	1	16	0
	AN4-23A	2	647	0
	AN5-21A	4	302	0
	C10-41	1	8	0
	C2-14-2	2	138	0
	C45-1-1	1	7	0
	C45-10-1	1	155	0
	C45-10-2	1	21	0
	C45-11-1	1	16	0
	C45-11-2	2	33	0
	C45-12-1	2	50	0
	C45-12-2	1	11	0
	C45-12-3	1	19	0
	C45-12-4	1	57	0
	C45-12-5	1	34	0
	C45-12-6	2	104	0
	C45-13-1	2	22	0
	C45-13-3	1	21	0
	C45-15	1	6	0
	C45-2-1	1	15	0
	C45-3-1	2	101	0
	C45-3-10	1	20	0
	C45-3-11	1	21	0
	C45-3-12	1	71	0
	C45-3-2	1	40	0
	C45-3-2-1	2	81	0
	C45-3-3	1	13	0
	C45-3-4	2	32	0
	C45-3-4-1	4	97	0
	C45-3-5	2	91	0
	C45-3-6	1	12	0
	C45-3-7	1	0	0
	C45-3-8A	1	15	0
	C45-3-8B	1	32	0
	C45-3-9	1	17	0
	C45-4-1	2	12	0
	C45-4-4KA	1	4	0
	C45-4-5	1	7	0
	C45-5-1	1	34	0
	C45-5-2	1	29	0
	C45-7-1	1	23	0
	C45-7-2	2	28	0
	C45-8-1-2	2	57	0
	C45-8-2	1	1	0
	C45-8-4	1	9	0
	C45-8-5	1	33	0
	C45-9-1	1	12	0
	C45-9-2	1	33	0
	EL-PLUG-M	1	19	0
	EL314-SJTOW	1	0	0
	MS21044N5	4	25	0
	MS27039-4-08	1	209	0
	NAS1149F0463P	3	264	0
	NAS1149F0563P	8	347	0
Part Specifications				
Specifications could not be found.				

Plex 6/14/19 8:27 AM Dart.Renwick.Jennifer

Inspection Sheet Complete
RA703Hawkesbury

Part Number	Original Batch / Serial # / Ctr #	Original Revision #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Original Container #	New (Receiving) Serial #	New Job #	Work order instructions
C45-K	S054289		1	☒ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED		S190187	04198525	Overhaul
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			✓		
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			S191485		
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			810		

QC Approval: _____
Date: 0-Jan-00 _____

Special Return/Re-work Instructions:

Jennifer Renwick

Subject: FW: C45 Hook Testing - case 12788
Attachments: 01 Internal Safety Investigation following FOR n.15 Rev.2 - ENG.pdf

SalesforceTaskId: 00T5A00004aEmcr
SfdcUserId: 005i0000000gbStAAI

From: Sian Willems <swillems@dartaero.com>
Sent: Thursday, June 13, 2019 5:58 PM
To: Chris Provencal <cprovencal@dartaero.com>; Jennifer Renwick <jrenwick@dartaero.com>; Linda Lacelle <llacelle@dartaero.com>
Cc: Support Eugene <support.or@dartaero.com>; David Shepherd <dshepherd@dartaero.com>; Michael Lee <mlee1@dartaero.com>; Ryan Williamson <rwilliamson@dartaero.com>
Subject: C45 Hook Testing - case 12788

Hi Chris,

See attached. This is the report we received from the customer. Of particular interest are the last 2 or 3 pages where they detail the testing they did to validate their branch theory. This is the testing that we want to look at doing on the returned hook. Come see me tomorrow once you've had a chance to review the report and the dwgs.

Hook part number is C45-K-HC s/n S054259.

We would like to replicate the testing that this customer did. This can be done with Michel tomorrow. We would need to document the testing including video/photos.

The hook is currently sitting in the overhaul area.

Following this, the next step would be to open the hook to assess the internal components but that will have to happen on Monday when Alain is back.

I like your idea about testing a new hook the same way. We currently have a C45-HC in stock (\$189698).

Linda & Jen, can you guys confirm if we can use this tomorrow for some pull testing?

SIAN WILLEMS
Director of Customer Support

DART AEROSPACE
T 1 613 632-3336 > 239
M 1 613 676-0577
F 1 613 631-4443
1 800 556- 4166
www.dartaerospace.com

For *technical support*, click [here](#).
If you wish to access *technical documentation* online, please create your account [here](#).



Overhaul Incoming Inspection

C45K ~~C60~~ Cargo Hook

Customer OH196525 / RA 703

Date 2019/06/20

Part Number C45K

Serial Number S054259

Case# 12788 / Order#

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

(1) C60-12-3 [?] LOCK -C45-12-3

(2) C45-3-4 LINK Pin

☒ OK

☒ OK

☐ No charge

☐

☐

☐

☐

☐

☐

☐

Inspected By ALAIN PATRY

Job Born
Updated ✓
* Rec'd 6/24/2019



NDT Inspection Form

C45K C60-K

Work Order OH 196525Customer RA703 / ORDER 12788Serial Number S054259Date 2019/06/20

MAGNAFLUX

Part Number	Description	Quantity	
C45-4-4-KA	Load Beam	1	
C45-13-3	Keeper Shaft	1	
C45-3-7	Link	1	
C45-3-4	Link Pins	—	
C45-3-6	Latch	1	
C45-3-3	Latch Roller	1	
C45-3-2	Latch Roller Pin	1	
C60-3-10	Latch Shaft	1	
C60-12-3	Lock	—	
C45-12-2	Lock Shaft	1	
C45-12-4	Lock Roller	1	
C45-12-5	Lock Roller Pin	1	

ZYGLO

Part Number	Description	Quantity	Pass/Fail
C60-2-1	Side Plate	1	
C60-11-1	Side Plate Solenoid	1	

TOTAL : 12

Test Conducted By:

Signature: _____



NDT Inspection Form

C45 C60-K

Work Order OH 196525Customer RA703 / ORDER 12788Serial Number S054259Date 2019/06/20

MAGNAFLUX

Part Number	Description	Quantity	
C45-4-4-KA	Load Beam	1	✓
C45-13-3	Keeper Shaft	1	✓
C45-3-7	Link	1	✓
C45-3-4	Link Pins	—	
C45-3-6	Latch	1	✓
C45-3-3	Latch Roller	1	✓
C45-3-2	Latch Roller Pin	1	✓
C60-3-10	Latch Shaft	1	✓
C60-12-3	Lock	—	
C45-12-2	Lock Shaft	1	✓
C45-12-4	Lock Roller	1	✓
C45-12-5	Lock Roller Pin	1	✓

ZYGLO

Part Number	Description	Quantity	Pass/Fail
C60-2-1	Side Plate	1	
C60-11-1	Side Plate Solenoid	1	

TOTAL : 12

DAS
61
9-89

Test Conducted By:

Signature: _____



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB043824



Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

Attention: Jenne, Heather

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB043824
PO Date: 6/21/19
Due Date: 6/28/19
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Phone:

Via: Ground
Pymt Terms: Net 30

Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH196525	C45-K-OH	C-Series Remote Hook 4,500 lbs Lift Capacity - Keeperless LIQUID PENETRANT INSPECTION AS PER QSI 038	Firmed	-	6/28/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
2	OH194545	C60-OH	C-Series Remote Hook 6,000 lbs Lift Capacity LIQUID PENETRANT INSPECTION AS PER QSI 038	Firmed	-	6/28/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00

Grand Total: \$356.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

DAS
61
9-89

Plex 6/26/19 8:09 AM Dart.Guerin.Kimberley

 Work Order Traveler Sky Service F.B.O. Inc.		10105 Ryan Avenue, Dorval, Quebec, H9P 1A2 TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385	
WO #: MWO40853	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: POHB043824
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED		Sequence: 1	

Work Required:

CARRY OUT NDT ON:

✓ 1 C-SERIES REMOTE HOOK KIT , P/N# C45-K-OH , J/S# OH196525 ✓

✓ 1 C-SERIES REMOTE HOOK KIT , P/N# C60-OH , J/S# OH194545 ✓

DAS
61
9-89

Action Taken:						Date:	Initial/Stamp:
LPI & MPI CARRIED OUT IAW ASTM E-1417M-16 AND ASTM E-1444M-16 ***NO CRACK FOUND***							
PEN , ZL-37 MPO#: 23206 CLEANER SKC-S MPO15030, EMU.(ZR-10B, MPO23451), DEV. MPO15030, UV LIGHT M-20142 MAGBENCH S/N 208123 CAL DUE: 25-SEP-2019 POWDER 14A BATCH# MPO13600 CARRIER II BATCH# MPO22794 BLACK LIGHT-M20186						JUN 25 2019	 <i>RV</i>
Description	Location	P/N	Qty	Batch	S/N Off	S/N On	

RECEIVED

JUN 25 2019

DART AEROSPACE LTD.

I certify that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature: 	ACA/SCA Stamp 	Date:
Name: RICARDO VARGAS		JUN 25 2019



DATE: 2019/06/26

NICKEL PLATING

MODEL: C45-K

S/N: S0542

JOB: _____

ORDER: _____

P/N	DESCRIPTION	QUANTITY
C45-4-4KA	LOAD BEAM	1 ✓
C45-15	KEEPER	1 ✓
C45-12-4	LOCK ROLLER	1 ✓
C45-12-2	LOCK SHAFT	1 ✓
ALAN PATRY	TOTAL	4



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **POHB043883**



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB043883

PO Date: 6/28/19

Due Date: 7/8/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

E-MAILED
2019-07-05

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH194545	C60-OH	C-Series Remote Hook 6,000 lbs Lift Capacity - Issue P/O; - Nickel plate, QQ-N-290, Class 2, Grade E or F - Nickel Plate .0004-.0006 - Bake after plating - Material type; 4140 - Certificate of Conformity is required	Firmed	-	7/8/19	1 pcs	0 pcs	1 pcs	\$140.00/pcs	\$140.00
Line Item Note: 1 kit = 9 pcs											
2	OH195119	C45-OH	C-Series Remote Hook 4,500 lbs Lift Capacity - Issue P/O; - Nickel plate, QQ-N-290, Class 2, Grade E or F - Nickel Plate .0004-.0006 - Bake after plating - Material type; 4140 - Certificate of Conformity is required	Firmed	-	7/8/19	1 pcs	0 pcs	1 pcs	\$130.00/pcs	\$130.00
Line Item Note: 1 kit = 7 pcs											

7/5/2019

PURCHASE ORDER



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

**PURCHASE ORDER
POHB043883**

Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	OH196525	C45-K-OH	C-Series Remote Hook 4,500 lbs Lift Capacity - Keeperless - Issue P/O; Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004-.0006 -Bake after plating - Material type; 4140 -Certificate of Conformity is required	Firmed	-	7/8/19	1 pcs	0 pcs	1 pcs	\$130.00/pcs	\$130.00
Line Item Note: 1 kit = 4 pcs											
4	196083	C3-HC-OH	C-Series Remote Hook 3,000 lbs Lift Capacity With Cage - Issue P/O; -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004-.0006 -Bake after plating -Material type; 4140 -Certificate of Conformity is required	Firmed	-	7/8/19	1 pcs	0 pcs	1 pcs	\$125.00/pcs	\$125.00
Line Item Note: 1 kit = 4 pcs											
Grand Total:										\$525.00	

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 7/5/19 8:24 AM Dart.Guerin.Kimberley



Certificat de Conformité / Certificate of Compliance

(020430-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupealtech.com

Bon de Livraison / Packing Slip

020430-1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By		Transport / No de Compte Courier / Acc. No.		Bon de commande Client Customer Purchase Order No.		
08-Jul-2019		SVETLANA DORZHIYEVA				POHB043883		
#Ligne Line#	No. de Série / # Pièces Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order
1	C60-OH ✓ Rev.	C60-OH BRIGHT NICKEL ON STEEL QQ-N-290 CLASS 2 GRADE E OR F 0.0004 TO 0.0006 THICK BAKE AFTER PLATING STRIP AND REPLATE	BRIGHT NICKEL ON AL/ LOT	1	1	= 9 PCS		0
2	C45-OH ✓ Rev.	C45-OH BRIGHT NICKEL ON STEEL QQ-N-290 CLASS 2 GRADE E OR F 0.0004 TO 0.0006 THICK BAKE AFTER PLATING STRIP AND REPLATE	BRIGHT NICKEL ON AL/ LOT	1	1	= 7 PCS		0
3	C45-K-OH ✓ Rev.	C45-K-OH BRIGHT NICKEL ON STEEL QQ-N-290 CLASS 2 GRADE E OR F 0.0004 TO 0.0006 THICK BAKE AFTER PLATING STRIP AND REPLATE	BRIGHT NICKEL ON AL/ LOT	1	1	= 4 PCS		0
4	C3-HC-OH ✓ Rev.	C3-HC-OH BRIGHT NICKEL ON STEEL QQ-N-290 CLASS 2 GRADE E OR F 0.0004 TO 0.0006 THICK BAKE AFTER PLATING STRIP AND REPLATE	BRIGHT NICKEL ON AL/ LOT	1	1	= 4 PCS		0
5	STRIP CHARGE Rev.	STRIP CHARGE 01-STRIP [STRIP]	STRIP MIN-CHG	1	1	0	0	0
6	BAKING CHARGE Rev.	BAKING CHARGE 01-BAKING, HYDROGEN EMBRITTLEMENT RELIEF	BAKE MIN-CHG	1	1	0	0	0

RECEIVED

JUL 10 2019

DA 0 61 9-8

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61
9-89

Notes Additionnelles / Additional Notes

4 BOXES

DART AEROSPACE LTD.

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Jb. Jay

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.



Remote Cargo Hook Test Form

C45 K

Pre test

Work Order 196525Customer RA 703Serial Number 5054259Date 2019-6-14

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	11,250	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	2,250	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	4,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.8 A	Pass
2	3,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.8 A	Pass
2	2,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.7 A	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.5 A	Pass
2	500	Electircal, 22 volts	Current shall not exceed 12.4A	8.6 A	Pass
1	4,500	Electircal, 20 volts	Current shall not exceed 11.3A	7.7 A	Pass
1	4,500	Electircal, 28 volts	Current shall not exceed 15.8A	11.0 A	Pass
1	4,500	Manual		N/A	Pass
1	4,500	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	2.0 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By:

Michel Lelande

Signature: _____

Technician

QC 5 Small FAB / QA

Submit



Remote Cargo Hook Test Form

C45-K

Work Order 196525

Customer RA 703

Serial Number 5054259

Date 2019-7-15

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	11,250	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	2,250	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	4,500	Electircal, 22 volts	Current shall not exceed 12.4A	9.1 A	Pass
2	3,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.9 A	Pass
2	2,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.9 A	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.8 A	Pass
2	500	Electircal, 22 volts	Current shall not exceed 12.4A	8.8 A	Pass
1	4,500	Electircal, 20 volts	Current shall not exceed 11.3A	8.1 A	Pass
1	4,500	Electircal, 28 volts	Current shall not exceed 15.8A	11.3 A	Pass
1	4,500	Manual		N/A	Pass
1	4,500	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	2.0 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By: Machel Lelande

Technician

Signature: _____

QC 5 Small FAB / QA

Submit



Remote Cargo Hook Test Form C45-K

Work Order 196525

Customer RA 703

Serial Number 5054259

Date 2019-7-15

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	11,250	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	2,250	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	4,500	Electircal, 22 volts	Current shall not exceed 12.4A	9.1 A	Pass
2	3,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.9 A	Pass
2	2,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.9 A	Pass
2	1,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.8 A	Pass
2	500	Electircal, 22 volts	Current shall not exceed 12.4A	8.8 A	Pass
1	4,500	Electircal, 20 volts	Current shall not exceed 11.3A	8.1 A	Pass
1	4,500	Electircal, 28 volts	Current shall not exceed 15.8A	11.3 A	Pass
1	4,500	Manual		N/A	Pass
1	4,500	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	2.0 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By: Michel Lalonde

Technician

Submit

Signature: Sylvie Panket
QC 5 Small FAB / QA

Jennifer Renwick

From: Support
Sent: Thursday, July 25, 2019 9:51 AM
To: Jennifer Renwick; Support
Cc: Linda Lacelle
Subject: RE: AirGreenland - C45-K - Loss load

04196525

RA703
order#

Hi Jen,

My bad, I have the order in hand but didn't process it. Virginie is doing it this morning and will advise the #. Regarding the guard, we will ship without the guard since the hook is ready now. I will follow up with the customer, we may provide a guard at no charge but that will be at a later date and we'll enter a separate order for that.

Thanks,
SIAN WILLEMS
Director of Customer Support

DART AEROSPACE
T 1 613 632-3336 > 239
M 1 613 676-0577

From: Jennifer Renwick <jrenwick@dartaero.com>
Sent: Wednesday, July 24, 2019 11:16 AM
To: Sian Willems <swillems@dartaero.com>; Support <support@dartaero.com>
Cc: Linda Lacelle <llacelle@dartaero.com>
Subject: RE: AirGreenland - C45-K - Loss load

Hi Guys,

Following up on this, please advise?

Thank you,
Jen

From: Jennifer Renwick
Sent: Tuesday, July 16, 2019 2:02 PM
To: Sian Willems <swillems@dartaero.com>; Support <support@dartaero.com>
Cc: Linda Lacelle <llacelle@dartaero.com>
Subject: AirGreenland - C45-K - Loss load

Hi Guys,

Alain is done with the overhaul from RA703 – SN S054259. He only needs to connect the cage to the hook. He mentioned that we are providing the guard free of charge as well? I thought we were only doing the overhaul free of charge and not providing a guard, can you please confirm? Also can you tell me the order#, I don't see anything in the system.

Thank you,
Jen

RA703Hawkesbury

Received Date:

13-Jun-2019

Inspection date:

QC Approval:

REWORK/REPAIR/OVERHAUL				
Part Number	Description	Quantity	Original Batch # + Serial # & Revision	UAT
C45-	Hook	1	S054259 v	
0	0	0		0
0	0	0		0
0	0	0		0
0	0	0		0
0	0	0		0

Waiting
for
Job #

RETURN AUTHORIZATION



RA #: RA703Hawkesbury
Date: June 3, 2019
Attention: Simone Santoro
E-mail: santoro.simone@airgreen.it
From: Virginie Legault

RETURN ADDRESS		
☒ Hawkesbury Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7, CA 1-613-632-3336	☐ Vista Dart Aerospace Ltd. 3030 Enterprise Court, Suite A Vista, CA 92081-8347, US 1-760-724-5300	☐ Broussard Dart Aerospace Ltd. 105 Dairy Lane Broussard, LA 70518, US 1-337-839-0500

SHIPPING	
Courier:	FedEx
Account #:	1517-9324-0

COMMERCIAL INVOICE INFORMATION	
Item #1	Item #2
P/N: C45-K	P/N: 0
Description: Hook	Description: 0
Qty: 1	Qty: 0
Flown: Yes	Flown: 0
Return to Customer: TBD	Return to Customer: 0
Customs Value USD: 500\$	Customs Value USD: 0\$
Batch / Serial #: S054259	Batch / Serial #: 0
Item #3	Item #4
P/N: 0	P/N: 0
Description: 0	Description: 0
Qty: 0	Qty: 0
Flown: 0	Flown: 0
Return to Customer: 0	Return to Customer: 0
Customs Value USD: 0\$	Customs Value USD: 0\$
Batch / Serial #: 0	Batch / Serial #: 0
Item #5	Item #6
P/N: 0	P/N: 0
Description: 0	Description: 0
Qty: 0	Qty: 0
Flown: 0	Flown: 0
Return to Customer: 0	Return to Customer: 0
Customs Value USD: 0\$	Customs Value USD: 0\$
Batch / Serial #: 0	Batch / Serial #: 0

ADDITIONAL RETURN AUTHORIZATION INFORMATION

- Print RA form, complete Part Disposition section and include a copy with the shipment.
- Ensure the RA number is referenced on all documents. Failure to do so may result in delivery refusal.
- Ensure the shipment is directed to the correct facility referenced above. Failure to do so will result in delays and additional shipping costs.
- Commercial invoice must include the following statement: "Parts are aircraft parts being returned to the manufacturer."
- International shipments require commercial invoice attached to the outside of the box.
- Where applicable, the original Release Certificate, STC's, Installation Instructions, Maintenance Manual Supplement, Flight Manual Supplement, packing slips and removable tag must accompany the shipment.
- Return authorization expires in 30 days. If no charge products were supplied, these will be invoiced upon expiration of the RA.
- Returned items will be fully inspected by Quality Control and credit will be issued for items deemed to be new, un-flown, traceable and to the current revision.
- A 15% minimum restocking fee applies, additional fees may apply upon receipt and inspection if items require rework or cannot be returned to stock
- Items should be adequately packaged to prevent shipping damage.
- For complete terms & conditions, visit www.dartaerospace.com

PART DISPOSITION (To be completed and returned by customer)

Reason for return: